

ANNEX 2.

Full results analysis.

Maternal admissions, maternal deaths, C-sections, and MDOCs at hospital level.

	Maternal admissions			Maternal deaths			C-sections			MDOC		
	β	95% CI	p value	β	95% CI	p value	β	95% CI	p value	β	95% CI	p value
Difference between average of Ebola period vs pre-Ebola period	7	-7 to 22	0.333	-1	-2 to 0	0.042	5	-1 to 11	0.13	2	-11 to 14	0.782
Difference between average of post-Ebola period vs Ebola period	43	28 to 58	<0.001	2	1 to 3	0.001	15	8 to 21	<0.001	41	30 to 54	<0.001
Difference between average of post-Ebola period vs pre-Ebola period	50	37 to 64	<0.001	1	0 to 2	0.135	19	13 to 25	<0.001	43	31 to 54	<0.001
Pre-Ebola period												
Number of events over pre-Ebola period (β_0)	49	37 to 61	<0.001	1	0 to 2	0.026	9	4 to 14	0.001	16	5 to 26	0.003
Trend in number over pre-Ebola period (β_1)	0	0 to 1	0.281	0	0 to 0	0.677	0	-0 to 0	0.999	0	0 to 0.5	0.768
Ebola period												
Average monthly change in number over Ebola period (β_2)	-40	-60 to -19	<0.001	0	-2 to 0	0.480	2	-7 to 11	0.668	-11	-29 to 6	0.207
Difference between trend of Ebola period vs pre-Ebola period (β_3)	7	4 to 11	<0.001	0	0 to 0	0.605	1	-1 to 2	0.346	4	1 to 7	0.006
Post-Ebola period												
Average monthly change in number during post-Ebola period (β_4)	11	-7 to 30	0.23	1	0 to 2	0.258	13	5 to 21	0.001	16	0 to 32	0.044
Difference between trend of post-Ebola period vs Ebola period (β_5)	-7	-10 to -4	<0.001	0	0 to 0	0.665	-1	-2 to 0.8	0.433	-4	-7 to -1	0.009
Difference between trend of post-Ebola vs pre-Ebola period ($\beta_3 + \beta_5$)	0	-1 to 1	1	0	0 to 0	0.657	0	0 to 0	0.431	0	0 to 1	0.503

Pediatric admissions, pediatric deaths, and institutional deliveries at hospital level.

	Pediatric admissions			Pediatric deaths			Institutional deliveries		
	β	95% CI	p value	β	95% CI	p value	β	95% CI	p value
Difference between average of Ebola period vs pre-Ebola period	1	-39 to 40	0.968	-1	-6 to 5	0.826	11	2 to 21	0.02
Difference between average of post-Ebola period vs Ebola period	133	92 to 174	<0.001	9	3 to 15	0.004	28	18 to 38	<0.001
Difference between average of post-Ebola period vs pre-Ebola period	134	98 - 170	<0.001	8	3 to 14	0.003	39	31 to 48	<0.001
Pre-Ebola period									
Number of events over pre-Ebola period (β_0)	46	10 to 82	0.011	7	2 to 12	0.007	27	19 to 34	<0.001
Trend in number over pre-Ebola period (β_1)	0	-2 to 2	0.808	0	0 to 0	0.641	0	0 to 0	0.42
Ebola period									
Average monthly change in number over Ebola period (β_2)	1	-48 to 50	0.955	1	-7 to 9	0.836	-12	-25 to 1	0.072
Difference between trend of Ebola period vs pre-Ebola period (β_3)	1	-8 to 10	0.823	0	-1 to 2	0.763	4	2 to 6	0.001
Post Ebola period									
Average monthly change in number over post-Ebola period (β_4)	53	5 to 100	0.029	6	-1 to 14	0.086	11	-1 to 22	0.064
Difference between trend of post-Ebola period vs Ebola period (β_5)	2	-7 to 10	0.702	0	-1 to 1	0.899	-3	-5 to -1	0.001
Difference between trend of post-Ebola vs pre-Ebola period ($\beta_3 + \beta_5$)	3	0 to 5	0.035	0	0 to 0	0.423	0	0 to 0	0.486

Institutional delivery, ANC 1, ANC 4 and family planning at community level.

	Institutional delivery			ANC 1			ANC 4			Family planning		
	β	95% CI	p value	β	95% CI	p value	β	95% CI	p value	β	95% CI	p value
Difference between average of Ebola period vs pre-Ebola period	148	99 to 196	<0.001	74	3 to 145	0.042	80	21 to 139	0.008	490	-92 to 1073	0.099
Difference between average of post-Ebola period vs Ebola period	-10	-59 to 39	0.695	-48	-122 to 26	0.2	23	-38 to 84	0.461	-262	-855 to 330	0.386
Difference between average of post-Ebola period vs pre-Ebola period	138	93 to 183	<0.001	26	-40 to 91	0.448	103	48 to 157	<0.001	228	-293 to 750	0.391
Pre Ebola period												
Number of events over pre-Ebola period (β_0)	688	643 to 732	<0.001	1062	1002 to 1121	<0.001	694	644 to 743	<0.001	2690	2187 to 3193	<0.001
Trend in number over pre-Ebola period (β_1)	8	6 to 10	<0.001	7	4 to 10	<0.001	6	4 to 8	<0.001	69	42 to 95	<0.001
Ebola period												
Average monthly change in number over Ebola period (β_2)	-28	-90 to 34	0.382	-61	-161 to 40	0.238	-94	-176 to -11	0.027	-671	-1431 to 89	0.084
Difference between trend of Ebola period vs pre-Ebola period (β_3)	-1	-12 to 10	0.881	-5	-21 to 12	0.591	5	-8 to 19	0.437	-26	-156 to 104	0.692
Post Ebola period												
Average monthly change in number during post-Ebola period (β_4)	-25	-81 to 30	0.37	-5	-94 to 83	0.906	35	-37 to 109	0.343	-51	-759 to 657	0.888
Difference between trend of post-Ebola period vs Ebola period (β_5)	-7	-17 to 4	0.228	-2	-18 to 15	0.819	-13	-27 to 0	0.056	-59	-186 to 68	0.361
Difference between trend of post-Ebola vs pre-Ebola period ($\beta_3 + \beta_5$)	-7	-10 to -4	<0.001	-6	-10 to -3	<0.001	-8	-11 to -5	<0.001	-85	-119 to -51	<0.001